

Municipality/Organization: Town of Dighton, MA
EPA NPDES Permit Number: MAR041105
MassDEP Transmittal Number: W-040738
Annual Report Number
& Reporting Period: No. 4: April 06-March 07

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NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Mr. Paul DeMoura **Title:** Highway Superintendent
Telephone #: (508) 669-5461 **Email:** N/A
Mailing Address: 979 Somerset Avenue, Dighton, MA 02715

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Printed Name: RICHARD P. HEGEMAN

Title: CHAIRMAN BOARD OF SELECTMEN

Date: 25 APR 07

Part II. Self-Assessment

The Town of Dighton has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|---|--|---|---|---|
| 1-1 | Educational Material - Include stormwater information on recycling calendar and air notice on local cable television. | Highway Superintendent | Prepare a notice during Year 3 to be distributed during Years 3 – 5. Update notice and distribute annually. | Due to limited availability of Highway Department staff no progress | The Town will include a stormwater information flyer with the tax bill during Year 5. |
| Revised | <i>Include stormwater information flyer with tax bill</i> | | Insert a stormwater bookmark (from EPA website) in tax bill during Year 5. | | |
| 1-2 | Educational Materials – Post stormwater information obtained from EPA website in Town Hall on public kiosks | Highway Department Superintendent and Planning Board | Post information on Stormwater on kiosk in Town Hall during Years 3 – 5. | Information posted on Town Hall Kiosk. | Continue to update and post stormwater information on Town Hall Kiosk. |
| Revised | | | | | |
| Revised | | | | | |

1a. Additions

| | | | | | |
|-----|---|---------------------------------------|---|--|---|
| 1-3 | Educational Materials – Play stormwater information video on public access cable channel. | Highway Department and Planning Board | Obtain copy of “After the Storm” video and play on local cable access channel at least 4 times during Year 5. | No activities were planned for Year 4. | Obtain and show “After the Storm” video on public access cable channel. |
|-----|---|---------------------------------------|---|--|---|

2. Public Involvement and Participation

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|--|-------------------------------|---|--|--|
| 2-1 | Evaluate feasibility of developing Public School Program on stormwater | Highway Superintendent | Years 4 – 5, evaluate and implement, if feasible, a school program on stormwater. | Due to limited availability of staff, no progress has been made on the determining the feasibility or development of a school program on stormwater. | Highway Department staff will obtain video “After the Storm” and work with School to implement a program on stormwater.. |
| Revised | | | . Year 5, work with School department to form a school program on stormwater including providing school with copy of “After the Storm” video to show in classrooms. | | |
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| Revised | | | | | |
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| Revised | | | | | |

3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|--|-------------------------------|--|---|--|
| 3-1 | Map outfalls and receiving waters | Highway Department | During Year 1, map outfalls and identify receiving waters | Highway Department Staff completed paper mapping of outfalls in November 2006. | The Town will update their outfall mapping information to identify receiving waters. If staff time allows, information on outfalls will be transferred from paper mapping to electronic mapping using GIS information available through the Town's Assessor. |
| Revised | | | | | |
| 3-2 | Detect and eliminate discharges | Highway Superintendent | Development of program to detect additional illicit discharges will occur during Year 5. | The Town's storm drain system cleaning subcontractor will continued to visually inspect the system for signs of illicit discharges. The Town will develop a more specific program for in coordination with bylaw development under BMP 3-4. | During Year 5 the storm drain system cleaning subcontractor will provide documentation regarding illicit discharge detection. |
| Revised | | | | | |
| 3-3 | Conduct Illicit Discharge Education Program | Highway Superintendent | Included in Minimum Control Measures 1, 2 and 6. | See Minimum Control Measures 1, 2 and 6. | See Minimum Control Measures 1, 2 and 6. |
| Revised | | | | | |
| 3-4 | Develop Bylaw to prohibit illegal dumping of non-stormwater into the MS4. | Highway Superintendent | Develop bylaw and submit to Town Meeting for approval in Year 5. | Due to limited availability of Highway Department Staff, no progress has been made on the development of the bylaw. | The Town will work on the development and implementation of a Bylaw during Year 5. |
| Revised | | | | | |
| 3-5 | Enforce Bylaw – Develop regulations or policies to enforce the bylaw in BMP 3-4. | Highway Superintendent | Draft regulations and policies will be prepared & implemented by end of Year 5. | Due to limited availability of Highway Department Staff, and delay in development of bylaw in BMP 3-4, no progress has been made on this BMP. | The Bylaw will be developed and implemented during Year 5. Regulations supporting the Bylaw will implemented once it is passed at the Fall 2007 Town Meeting vote. |
| Revised | | | | | |

4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|---|--------------------------------------|---|--|---|
| 4-1 | Revise Site Plan Review section of Zoning Bylaw | Planning Board | Draft revisions to the Site Plan Review section of the Zoning Bylaw and submission to Town meeting for approval will occur during Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Revisions will be drafted in Year 5 and submitted to Town Meeting for approval at the Fall 2007 Special Town Meeting. |
| Revised | | | | | |
| 4-2 | Review procedures for receipt and consideration of information submitted by the public. | Planning Board | Review of existing procedures will occur in Year 5 and if revisions are deemed necessary, will be drafted and adopted in Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Planning Board will review procedures and draft revisions as necessary during Year 5. |
| Revised | | | | | |
| 4-3 | Revise Site Inspection and Enforcement Control Measures Program | Planning Board | Program will be evaluated and if necessary modified by the end of Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Program will be evaluated and modified as necessary during Year 5. |
| Revised | | | | | |

5. Post-Construction Stormwater Management in New Development and Redevelopment

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|--|--------------------------------------|---|--|---|
| 5-1 | Modify Zoning Bylaw to meet requirements for post-development runoff control | Planning Board | Revisions to the Site Plan Review section of the Zoning Bylaw will be drafted and submitted to Town meeting for approval during Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Revisions will be drafted in Year 5 and submitted to Town Meeting for approval at the Fall 2007 Special Town Meeting. |
| Revised | | | | | |
| 5-2 | Revise Subdivision Rules and Regulations | Planning Board | Review and modifications to the Subdivision Rules and Regulations will be prepared during Year 5. A public meeting will be held to solicit input and final modifications presented to Board for a vote by the end of Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Modifications to the Subdivision Rules and Regulations will be prepared, public comment will be solicited and final modifications presented to the Board for a vote during Year 5. |
| Revised | | | | | |
| 5-3.1 | Ensure Adequate Long-term O & M of BMPs | Highway Department | Evaluate Highway Dept. stormwater plan review procedure during Year 5. If necessary, changes will be drafted, input will be solicited from other departments and final procedure will be adopted during Year 5. In addition, list of preferred structural BMPs will be developed in Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Highway Department will review current stormwater plan review procedures and modify if necessary. Department will develop a list that identifies preferred structural BMPs for use by the Planning Board. |
| Revised | | | | | |

| | | | | | |
|---------|---|----------------|--|--|--|
| 5-3.2 | Ensure Adequate Long-term O & M of BMPs | Planning Board | Review and modifications to the Subdivision Rules and Regulations will be prepared during Year 5. A public meeting will be held to solicit input and final modifications presented to Board for a vote by the end of Year 5. | Due to staffing limitations, no progress has occurred on this BMP. | Modifications to the Subdivision Rules and Regulations will be prepared, public comment will be solicited and final modifications presented to the Board for a vote during Year 5. |
| Revised | | | | | |
| Revised | | | | | |

6. Pollution Prevention and Good Housekeeping in Municipal Operations

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|--|-------------------------------|---|---|---|
| 6-1 | Educate Municipal Employees | Highway Superintendent | Training program will be developed during Year 1 and training sessions will be held on an annual basis beginning in Year 2. Goal will be for 90% of municipal employees with responsibility for stormwater management to attend at least one training session over five-year permit period. | Town is implementing training program on stormwater management, including methods for spotting problems, illicit discharges or suspicious storm drain discharges. | Town will continue to implement training program. |
| Revised | | | | | |
| 6-2 | Develop & Implement plan to prevent and reduce pollutant runoff from municipal operations. | Highway Superintendent | The Municipal Operations Stormwater Plan (MOSP) will be adopted by the end of Year 3. | Town worked toward development of MOSP. | Town continues to work toward finalizing and adopting MOSP. |
| Revised | | | | | |
| 6-3 | Catch Basin Cleaning | Highway Superintendent | Clean and inspect all catch basins annually. | Through the use of a sub-contractor, all catch basins were cleaned during Year 4. | Continue to implement annual cleaning of all catch basins. |
| Revised | | | | | |

6a. Additions

| | | | | | |
|-----|-----------------|--------------------|--|---|--|
| 6-4 | Street Sweeping | Highway Department | Perform sweeping on all Town Roads annually. | Street Sweeping was conducted on all streets during Year 4. | Continue to implement annual street sweeping of all town roadways. |
|-----|-----------------|--------------------|--|---|--|

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>N/A

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|------------------------|--------------------------------------|---------------------------|---|---|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |

7a. Additions

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|--|--|--|--|--|--|
| | | | | | |
| | | | | | |

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2006 through March 31, 2007)

Programmatic

| | (Preferred Units) | Response |
|---|-------------------|--------------|
| Stormwater management position created/staffed | (y/n) | N |
| Annual program budget/expenditures ** | (\$) | |
| Total program expenditures since beginning of permit coverage | (\$) | |
| Funding mechanism(s) (General Fund, Enterprise, Utility, etc) | | General Fund |
| | | |

Education, Involvement, and Training

| | | |
|--|---------------|--|
| Estimated number of property owners reached by education program(s) | (# or %) | |
| Stormwater management committee established | (y/n) | |
| Stream teams established or supported | (# or y/n) | |
| Shoreline clean-up participation or quantity of shoreline miles cleaned ** | (y/n or mi.) | |
| Shoreline cleaned since beginning of permit coverage | (mi.) | |
| Household Hazardous Waste Collection Days | | |
| ▪ days sponsored ** | (#) | |
| ▪ community participation ** | (# or %) | |
| ▪ material collected ** | (tons or gal) | |
| School curricula implemented | (y/n) | |
| | | |

Legal/Regulatory

| | In Place Prior to Phase II | Reviewing Existing Authorities | Drafted | Draft in Review | Adopted |
|--|----------------------------------|--------------------------------------|---------|-----------------------|---------|
| Regulatory Mechanism Status (indicate with "X") | | | | | |
| ▪ Illicit Discharge Detection & Elimination | | | | | |
| ▪ Erosion & Sediment Control | | | | | |
| ▪ Post-Development Stormwater Management | | | | | |
| Accompanying Regulation Status (indicate with "X") | | | | | |
| ▪ Illicit Discharge Detection & Elimination | | | | | |
| ▪ Erosion & Sediment Control | | | | | |
| ▪ Post-Development Stormwater Management | | | | | |

Mapping and Illicit Discharges

| | (Preferred Units) | Response |
|--|-------------------------|----------------|
| Outfall mapping complete | (%) | |
| Estimated or actual number of outfalls | (#) | |
| System-Wide mapping complete (complete storm sewer infrastructure) | (%) | |
| Mapping method(s) | | |
| ▪ Paper/Mylar | (%) | |
| ▪ CADD | (%) | |
| ▪ GIS | (%) | |
| Outfalls inspected/screened ** | (# or %) | |
| Outfalls inspected/screened (Since beginning of permit coverage) | (# or %) | |
| Illicit discharges identified ** | (#) | |
| Illicit discharges identified (Since beginning of permit coverage) | (#) | |
| Illicit connections removed ** | (#); and (est. gpd) | |
| Illicit connections removed (Since beginning of permit coverage) | (#); and (est. gpd) | |
| % of population on sewer | (%) | 20% (townwide) |
| % of population on septic systems | (%) | 80% (townwide) |

Construction

| | (Preferred Units) | Response |
|--|-------------------|----------|
| Number of construction starts (>1-acre) ** | (#) | |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control ** | (%) | |
| Site inspections completed ** | (# or %) | |
| Tickets/Stop work orders issued ** | (# or %) | |
| Fines collected ** | (# and \$) | |
| Complaints/concerns received from public ** | (#) | |
| | | |
| | | |

Post-Development Stormwater Management

| | | |
|--|----------|--------------------------|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | (%) | |
| Site inspections (for proper BMP installation & operation) completed ** | (# or %) | |
| BMP maintenance required through covenants, escrow, deed restrictions, etc. | (y/n) | Yes (newer developments) |
| Low-impact development (LID) practices permitted and encouraged | (y/n) | |
| | | |
| | | |

Operations and Maintenance

| | | |
|--|----------------|----------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets) ** | (times/yr) | Annually |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) ** | (times/yr) | Annually |
| Qty of structures cleaned ** | (#) | |
| Qty. of storm drain cleaned ** | (%, LF or mi.) | |
| Qty. of screenings/debris removed from storm sewer infrastructure ** | (lbs. or tons) | |
| Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) ** | (location) | |

| | | |
|---|-------------------------|--|
| Basin Cleaning Costs | | |
| • Annual budget/expenditure (labor & equipment)** | (\$) | |
| • Hourly or per basin contract rate ** | (\$/hr or \$ per basin) | |
| • Disposal cost** | (\$) | |
| Cleaning Equipment | | |
| • Clam shell truck(s) owned/leased | (#) | |
| • Vacuum truck(s) owned/leased | (#) | |
| • Vacuum trucks specified in contracts | (y/n) | |
| • % Structures cleaned with clam shells ** | (%) | |
| • % Structures cleaned with vector ** | (%) | |

| | (Preferred Units) | Response |
|---|--------------------|----------|
| Average frequency of street sweeping (non-commercial/non-arterial streets) ** | (times/yr) | annually |
| Average frequency of street sweeping (commercial/arterial or other critical streets) ** | (times/yr) | annually |
| Qty. of sand/debris collected by sweeping ** | (lbs. or tons) | |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) ** | (location) | |
| Annual Sweeping Costs | | |
| • Annual budget/expenditure (labor & equipment)** | (\$) | |
| • Hourly or lane mile contract rate ** | (\$/hr. or ln mi.) | |
| • Disposal cost** | (\$) | |
| Sweeping Equipment | | |
| • Rotary brush street sweepers owned/leased | (#) | |
| • Vacuum street sweepers owned/leased | (#) | |
| • Vacuum street sweepers specified in contracts | (y/n) | |
| • % Roads swept with rotary brush sweepers ** | % | |
| • % Roads swept with vacuum sweepers ** | % | |

Reduction (since beginning of permit coverage) in application on public land of:
 ("N/A" = never used; "100%" = elimination)

| | | |
|--|-------------|--|
| ▪ Fertilizers | (lbs. or %) | |
| ▪ Herbicides | (lbs. or %) | |
| ▪ Pesticides | (lbs. or %) | |
| Integrated Pest Management (IPM) Practices Implemented | (y/n) | |
| | | |

| | (Preferred Units) | Response |
|--|---|----------|
| Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas) | % NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand | |
| Pre-wetting techniques utilized ** | (y/n or %) | |
| Manual control spreaders used ** | (y/n or %) | |
| Zero-velocity spreaders used ** | (y/n or %) | |
| Estimated net reduction or increase in typical year salt/chemical application rate | (±lbs/l _n mi. or %) | |
| Estimated net reduction or increase in typical year sand application rate ** | (±lbs/l _n mi. or %) | |
| % of salt/chemical pile(s) covered in storage shed(s) | (%) | |
| Storage shed(s) in design or under construction | (y/n or #) | |
| 100% of salt/chemical pile(s) covered in storage shed(s) by May 2008 | (y/n) | |
| | | |
| | | |

Water Supply Protection

| | | |
|---|----------|--|
| Storm water outfalls to public water supplies eliminated or relocated | # or y/n | |
| Installed or planned treatment BMPs for public drinking water supplies and their protection areas | # or y/n | |
| <ul style="list-style-type: none">Treatment units induce infiltration within 500-feet of a wellhead protection area | # or y/n | |